INDEX.

A

Adams, Einstein theory, 176, x
Adriatic Problem, Geographic Aspect of the, 512, v
Akimoff, the strephoscope, xii
Angell, relation of psychology to the National Research Council, viii
Animal luminescence and stimulation, xi
Ants, feeding habits of pseudomyrmine ants, xi
Astrapotheria, the, xi, xiv

B

Bacillus influenzæ, relation of the, to influenza, vi
Bailey, Wheeler &, feeding habits of pseudomyrmine ants, xi
Bauer, observations in Liberia and elsewhere of the total eclipse of May 29, 1919, and their bearing upon the Einstein theory, iv
—— results of geophysical observations during the solar eclipse of May 29, 1919, and their bearing upon the Einstein theory, x
Beach protection works, v
Berry, across the Andes in search of fossil plants, v
Blake, relation of the bacillus influenzæ to influenza, vi
Bloomfield, decipherment of the Hittite languages, xii
Brain, X-rays of the, after injection of air into the ventricles of the, vi
Brown, problem of the evolution of the solar system, ix
Butler, painting the solar eclipse of 1918, v

C

Cambrian beds, middle, at Manuels, Newfoundland, and their relations, xi
Cell, chemistry of the, vii
Charcoal, relation of oxygen to, vii
Clark, C. U., Adriatic problems, xiii
Coals, paleozoic, v, 405
Coral reef theories, reefs of Tutuila, Samoa in their relation to, 224, v
Corona in air, high voltage, 245, x

D

Dandy, X-Rays of the brain after injection of air into the ventricles, vi
Davis, behavior of the sulfurea character in crosses with *Œnothera biennis* and with *Œnothera franciscana*, vii
Detection of submarines, i
Dixon, new theory of Polynesian origins, 261, vi
Dodge, relation of psychology to special problems of the Army and Navy, viii
Dugan, new features in the eclipsing variable U Cephei, xii

E

Eclipsing variable U Cephei, new features in the, xii
Einstein theory, 176, x
—— —— observations in Liberia and elsewhere of the total eclipse of May 29, 1919, and their bearing upon, iv
Election of officers, iii
Electric current on a long line from laboratory measurements on an artificial line, transient process of establishing a steady alternating, x, 325
Evolution principles deduced from a study of even-toed Ungulates known as Titanotheres, xi

F

Fossil plants, across the Andes in search of, v

G

de Geer, Baron, Spitzbergen as the key to the origin of Northern Europe and North America, xiv
Geographical observations during the solar eclipse of May 29, 1919, and their bearing upon the Einstein theory, results of, x
Glacial anticyclone, xi
Golgotha, 237, xi
Gospel, beginning of the Fourth, xii

INDEX.

A

Adams, Einstein theory, 176, x
Adriatic Problem, Geographic Aspect of the, 512, v
Akimoff, the strephoscope, xii
Angell, relation of psychology to the National Research Council, viii
Animal luminescence and stimulation, xi
Ants, feeding habits of pseudomyrmine ants, xi
Astrapotheria, the, xi, xiv

B

Bacillus influenzæ, relation of the, to influenza, vi
Bailey, Wheeler &, feeding habits of pseudomyrmine ants, xi
Bauer, observations in Liberia and elsewhere of the total eclipse of May 29, 1919, and their bearing upon the Einstein theory, iv
—— results of geophysical observations during the solar eclipse of May 29, 1919, and their bearing upon the Einstein theory, x
Beach protection works, v
Berry, across the Andes in search of fossil plants, v
Blake, relation of the bacillus influenzæ to influenza, vi
Bloomfield, decipherment of the Hittite languages, xii
Brain, X-rays of the, after injection of air into the ventricles of the, vi
Brown, problem of the evolution of the solar system, ix
Butler, painting the solar eclipse of 1918, v

C

Cambrian beds, middle, at Manuels, Newfoundland, and their relations, xi
Cell, chemistry of the, vii
Charcoal, relation of oxygen to, vii
Clark, C. U., Adriatic problems, xiii
Coals, paleozoic, v, 405
Coral reef theories, reefs of Tutuila, Samoa in their relation to, 224, v
Corona in air, high voltage, 245, x

D

Dandy, X-Rays of the brain after injection of air into the ventricles, vi
Davis, behavior of the sulfurea character in crosses with *Œnothera biennis* and with *Œnothera franciscana*, vii
Detection of submarines, i
Dixon, new theory of Polynesian origins, 261, vi
Dodge, relation of psychology to special problems of the Army and Navy, viii
Dugan, new features in the eclipsing variable U Cephei, xii

E

Eclipsing variable U Cephei, new features in the, xii
Einstein theory, 176, x
—— —— observations in Liberia and elsewhere of the total eclipse of May 29, 1919, and their bearing upon, iv
Election of officers, iii
Electric current on a long line from laboratory measurements on an artificial line, transient process of establishing a steady alternating, x, 325
Evolution principles deduced from a study of even-toed Ungulates known as Titanotheres, xi

F

Fossil plants, across the Andes in search of, v

G

de Geer, Baron, Spitzbergen as the key to the origin of Northern Europe and North America, xiv
Geographical observations during the solar eclipse of May 29, 1919, and their bearing upon the Einstein theory, results of, x
Glacial anticyclone, xi
Golgotha, 237, xi
Gospel, beginning of the Fourth, xii

H

Harshberger, new map of the vegetation of North America, vii
Harvey, animal luminescence and stimulation, xi
Haupt, L. M., Beach protection works, v
Haupt, Paul, beginning of the Fourth gospel, xii
——, Golgotha, 237, xii
Hayes, Detection of submarines, 1
—— U. S. Navy M-V type of hydrophone as an aid and safeguard to navigation, x, 371
Hittite civilizations, vi
—— languages, decipherment of, xii
Hobbs, glacial anticyclone and the blizzard in relation to the domed surface of continental glaciers, xi
——, Michigan meteor of Nov. 26, 1919, xii
Howell, B. F., Jr., Middle Cambrian beds at Manuels, Newfoundland, and their relations, xi
Howell, Munroe and, Products of detonation of TNT, 194, vii
Hulett, relation of oxygen to charcoal, vii
Hydrophone as an aid and safeguard to navigation, U. S. Navy M-V type of, x, 371

I

Influenzæ, relation of the bacillus, to influenza, vi
Interrelations of fossil fuels, the paleozoic coals, v, 405

J

Jackson, Zoroastrian doctrine of the freedom of the will, vi
Jastrow, Hittite civilization, vi
Jayne, Henry La Barre, memorial meeting, xiii
Johnson, geographic aspects of the Adriatic problem, v, 512
Jones, individual in education, viii

K

Kansan pondings in Pennsylvania and the deposits therein, deep, 49
Kendall, Thyroxin, vi
Kennelly & Nabeshima, transient process of establishing a steady alternating electric current on a long line from laboratory measurements on an artificial line, x, 325

L

Land and water on the earth, distribution of, 313, v
Life, dualistic conception of the processes of, vi
Light in war and peace, invisible, viii

M

MacDougal & Spoehr, Components and colloidal behavior of plant protoplasm, 150, vii
Maize, some effects of the fertilization of, vii
Mayor, reefs of Tutuila, Samoa, in their relation to coral reef theories, 224
Mees, photography from the air, iii
Meltzer, dualistic conception of the proceses of life, vi
Members admitted:
Berry, Edward W., iv
Bumstead, Henry A., iv
Forbes, Stephen A., viii
Jackson, Chevalier, v
Merriam, J. C., xi
Miller, Dayton C., viii
Sproul, Hon. Wm. C., viii
Stieglitz, Julius, viii
—— deceased:
Brashear, John A., xiii
Delage, Yves, xiv
Doolittle, Eric, xiv
Furness, William H., 3d, xiv
Gorgas, William C., xiv
Hall, Charles E., iii
Iddings, Joseph P., xiv
Lyman, Benjamin S., xiv
Maclaurin, Richard C., iv
Meltzer, Samuel J., xiv
Morse, Harmon N., xiv
Osler, Sir William, iii
Pfeffer, W. F., v
Phillips, Francis C., v
Pirrson, L. V., iii
Turrettini, Theodore, xiv
Wundt, Wilhelm, xiv
—— elected, ix
—— resigned:
Holmes, W. H., v
Stevens, W. Le Conte, iv
Trowbridge, John, iv
Membership accepted:
Bancroft, Wilder D., xii
Calkins, Gary N., xiv
Capps, Edward, xii
Curtis, Heber D., xiv
Dickson, Leonard E., xii
Duane, William, xii

Membership accepted (continued):
Gomberg, Moses, xii
Goodnow, Frank J., xii
Jameson, John F., xiii
Johnson, Douglas W., xiii
Kellogg, Vernon L., xiii
Moore, George F., xiv
Shorey, Paul, xiv
Sproul, William C., xiv
Yeatman, Pope, xiii
Miller, D. C., velocity of explosive sounds, x
Miller, J. A., Pitman & Steele, parallaxes of fifty stars (second list) determined at Sproul Observatory, 85
Munroe and Howell, products of detonation of TNT, 194, vii
Mussels, correlation of shape and station in fresh-water (Naiades), 269, xi

N

Nabeshima, Kennelly &, transient process of establishing a steady alternating electric current on a long line from laboratory measurements on an artificial line, x, 325
Nebulæ which appear to establish the relationship between them and the stars, spectroscopic observations of gaseous, x, 517

O

Œnothera biennis and Œnothera franciscana, behavior of sulfurea character in crosses with, vii
—— *funifola*, a peculiar new mutant from *Œnothera lamarckiana*, vii
Ortmann, correlation of shape and station in fresh-water mussels (Naiades), 269, xi
Osborn, evolution principles deduced from a study of even-toed ungulates known as Titanotheres, xi
Osborne, Chemistry of the cell, vii
Osterhout, respiration, vii
Oxygen to charcoal, relation of, vii

P

Parallaxes of fifty stars determined at Sproul Observatory, 85
Parker, phosphorescence of *renilla*, 171, xi
Phosphorescence of *renilla*, 171, xi
Photography from the air, iii
Pickering, E. C., presentation of portrait of, xi
Pitman, parallaxes of fifty stars, 85
Plant protoplasm, components and colloidal behavior of, 150, vii
Polynesian origins, new theory of, 261, vi
Prince, Slav and Celt, 184, vi
Protoplasm, components and colloidal behavior of plant, 150, vii
Psychology in war and education, viii
—— —— ——, introduction to symposium on, viii
—— —— ——, methods, viii

R

Radioaction and the volcanoes, universal, xii
Reefs of Tutuila, Samoa, in their relation to coral reef theories, 224, v
Reid, distribution of land and water on the earth, 313, v
Renilla, phosphorescence of, 171, xi
Respiration, vii
Rifle barrels, vibration of, vii
Rund, psychological methods in business and industry, viii

S

Scott, the astrapotheria, xi, xiv
Shepherd's purse, a third description of genetic factors in, vii
Shull, a third duplication of genetic factors in Shepherd's purse, vii
——, some effects of the fertility of maize, vii
Slav and Celt, 184, vi
Snyder, universal radioaction and the volcanos, xii
Solar eclipse of 1918, painting the, v
Solar eclipse of May 29, 1919, and their bearing upon the Einstein theory, observations in Liberia and elsewhere of, iv, x
—— system, problem of the evolution of the, ix
Spectroscopic observations of the gaseous nebulæ which appear to establish the relationship between them and the stars, x, 517
Spitzbergen as the key to the origin of northern Europe and North America, xiv
Spoehr, MacDougal and, components and colloidal behavior of plant protoplasm, 150, vii
Sproul observatory, parallaxes of fifty stars determined at, 85
Stars, parallaxes of fifty, determined at Sproul Observatory, 85

Steele, Miller and Pitman, parallaxes of fifty stars, 85
Stevenson, interrelations of fossil fuels—paleozoic coals, 405, v
Strephoscope, xii
Submarines, detection of, 1
Sulfurea character in crosses with *Œnothera biennis* and with *Œnothera franciscana*, behavior of, vii
Symposium on psychology in war and education, v

T

Thyroxin, vi
TNT, products of detonation of, 194, vii
Transient process of establishing a steady alternating electric current on a long line from laboratory measurements on an artificial line, x, 325
Tutuila, Samoa, reefs of, 224, v

V

Vegetation of North America, new map of the, vii
Velocity of explosive sounds, x
Voltage, high corona in air, 245, x

W

Webster, vibration of rifle barrels. vii
Wheeler & Bailey, feeding habits of pseudomyrmine ants, xi
Whitehead, high voltage corona in air, 245, x
Williams, deep Kansan pondings in Pennsylvania and the deposits therein, 49
Wood, invisible light in war and peace, viii
Wright, spectroscopic observations of gaseous nebulæ and the relationship between them and the stars, x, 517

Y

Yerkes, psychological examining and classification in the U. S. Army, viii

Z

Zoroastrian doctrine of the freedom of the will, vi